



Up to five
European Technical Approvals
for ATLAS insulation systems



ATLAS SALTA S façade silicate paint

- highly alkaline, resistant to fungi, algae, lichen
- perfect water vapour permeability
- long term durability and façade protection
- for painting fresh mineral renders



Technology

Hybrid silicate binder – ATLAS SALTA S is manufactured on the basis of mineral binder – potassium silicate supported by polymers – therefore it offers unique physical and chemical properties, perfect workability and, above all, long term durability with no change of technical and aesthetic parameters.

Mineral characteristic of paint offers:

- the highest water vapour permeability, therefore full permeability of building walls and no accumulation of damp in partition – product recommended for application upon heritage or renovated buildings and renovation plasters.
- chemical binding which permanently bonds paint to substrate, therefore eliminates risk of paint cracking and loosening under static stress and thermal deformation,
- resistance to microbiological aggression: algae, moss and lichen even in most demanding locations (close to forests, parks, meadows, water reservoirs) – high product alkalinity protects against biological corrosion which destroys surface aesthetics,
- shorter technological breaks during façade work and reduction of costs – fresh mineral renders can be painted three days since their application with no risk of efflorescence.

Inorganic pigments – specially selected pigments ensure long term resistance to destructive action of UV radiation and colour durability.

Polymer additives – binding additives and coat hydrophobic agents reduce product absorptiveness and protect substrate against precipitation, damp ingress and soiling.

Use

Wide range of use – on single- and multi-family housing, public access, commercial, healthcare buildings, outhouses, heritage buildings.

Types of substrates – cement and cement-lime plasters, thin-coat mineral and silicate renders, concrete (monolithic and prefabricated), gypsum plasters and finishes, plasterboards, rough walls made of concrete, bricks, blocks and ceramic or silicate hollow blocks, silicate paint coatings.

Properties

Very high water vapour permeability – ensures free transfer of water vapour and damp diffusion through substrate the paint is used upon.

Penetrates the substrate structure and forms uniform system, invulnerable to cracking and loosening.

Available in 352 colours - in accordance to SAH Colour Scheme for Renders and Paints.

Perfect coating – owing to the use of inorganic pigments, the paint offers perfect and durable effect after single coating.

BIO PROTECTION – creates unfavorable conditions for fungi and algae growth due to highly alkaline reaction, ensures long term protection.

Enables painting fresh thin-coat mineral renders 48 hours since their application.

Technical data

ATLAS SALTA S paint is manufactured on the basis of potassium silicate and high quality polymers, fillers and chemical agents. ATLAS SALTA S wall paint for outdoor use: maximum content of VOC in the product: 22.29 g/l, maximum allowable content of VOC (category A/a): 30 g/l.

Density	approx. 1.50 kg/dm ³
Bonding grade (according to PN-80/C-81531)	1
S _d	0.02 m
Coating	Class 2/ coverage 8 m ²
pH	11-12
Content of solid substances	56 %
Paint preparation, substrate and ambient temperature during work	from +5°C to +25°C
Next coat application*	after approx. 6 h
Drying time*	from 2 h

*) Note: for setting conditions: temperature+20°C, air humidity 50%

Parametres of ATLAS SALTA S according to EN 1062-1:2004 standard.

Gloss G	G ₃ – matt
Coat thickness E	E ₃ – 100 <E <200 µm
Grain size	S ₁ – fine < 100 µm
Coating the cracks	A1 < 100 µm
Water vapour permeability coefficient V	high V ₁ > 150 [g/m ² d]
Water permeability W	medium 0.1 < W ₂ < 0.5 [kg/m ² h ^{0.5}]

Technical requirements

The paint is listed in the following approvals for thermal insulation systems:

System name	Technical Approval No.	Certificate No.
ATLAS	ETA 06/0081	EC 1488-CPD-0021
ATLAS ROKER	ETA 06/0173	EC 1488-CPD-0036
ATLAS ETICS	AT-15-9090/2016	FPC-ITB-0562/Z
ATLAS ROKER	AT-15-2930/2016	FPC-ITB-0436/Z

The product has been given the Radiation Hygiene Certificate.

Painting

Substrate preparation

The substrate should be dry and structurally sound, i.e. strong enough and free from layers which would impair paint bonding, in particular efflorescence, dust, dirt, wax and grease. Thoroughly remove any old paint coats and poorly bonded layers. Repair and float minor defects (e.g. cracks or gaps), e.g. with ATLAS ZW 330 mortar. Substrates of low absorptiveness and fresh render do not require priming. Highly absorbable and absorptive substrates should be primed with ATLAS ARKOL SX emulsion.

Rendering coats can be painted when they set fully, not earlier however than after:

mineral renders ATLAS CERMIT SN, DR, SN-MAL, ND and ND for painting	72 hours
ATLAS PLASTERING MIX	72 hours

Paint preparation

The paint is delivered ready to use. Mix well before use in order to unify consistency, remove foil separator (when using uncoloured paint).

Paint dilution

For the first paint coating, particularly when carrying out work in ambient or substrate temperature close to maximum allowable (+25°C), paint can be diluted with ATLAS ARKOL SX emulsion in ratio: max. 0.70 l of preparation with 10 l of paint. Keep the same dilution ratio over the whole painted surface. **Use undiluted paint for final painting.**

Painting

Apply the paint with thin and uniform coat with a roller, a brush or spray. Depending on substrate absorptiveness and structure, paint can be applied with one or two coats. Technological breaks have to be planned in advance, e.g. in corners and angles of a building, under rainwater pipes, on lines of contact of two colours, etc. Apply the paint continuously (using the "wet on wet method") and avoid breaks in application. The time of drying depends on substrate, temperature and relative air humidity and can vary from approx. 2 up to 6 hours.

Consumption

Consumption depends on substrate absorptiveness and surface structure. The actual consumption can be established on basis of sample application upon particular substrate. The average consumption for one coat painting upon renders and plasters is listed in the table below.

Render/plaster type	Consumption for 1 m ²	Coverage of 1l
mineral, e.g. CERMIT SN, DR, and SN-MAL, ND and ND for painting	approx. 0.22 l	approx. 3.5-4.5 m ²
silicate, e.g. SILKAT N	approx. 0.20 l	approx. 4.5-5.0 m ²
traditional, e.g. ATLAS PLASTERING MIX, ATLAS REKORD GREY	approx. 0.20 l	approx. 5.0 m ²

- Before painting, protect any elements close to the area of application, e.g. window panes, joinery, flashings, etc. When silicate paint dries, stains caused by it cannot be removed without risk of damage to the surface.
- Protect the painted surface both during application and paint drying against direct sunlight, wind and precipitation.
- In order to avoid differences in colour shades an individual surface should be coated with paint of the same manufacturing date
- As a result of painting, natural slight smoothing of substrate texture occurs. Painting surfaces differing in surface structure and technological parameters can result in the effect of various shades of the same paint colour.
- Clean the tools with clean water directly after use, before paint setting.
- Harmful to aquatic life with long lasting effects. Keep out of reach of children. Avoid release to the environment. Dispose of contents/container to appropriately labeled containers designed for selective waste treatment, emptied by an authorized company. Follow the instructions of the Safety Data Sheet.
- Keep in tightly sealed original and labeled containers. Keep in dry and cool places, protect against overheating (> 30 °C) and freezing - the product freezes and irreversibly loses its performance in temperature below 0 °C. Protect against direct sunshine. Incompatible materials: avoid contact with aluminum, copper and alloys of these metals. Shelf life in conditions as specified is 12 months from the production date shown on the packaging.

Packaging

Plastic buckets: 10 l
Pallet: 300 l in 10 l buckets

The above information constitutes basic guidelines for the application of the product and does not release the user from the obligation of carrying out works according to engineering principles and OHS regulations.

*At the time of publication of this product data sheet all previous ones become void.
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Important additional information